

Desmopan® DP 2587 A

Thermoplastic Polyurethane Elastomer (Polyester)

Covestro - PUR

Message:

Extrusion- and injection molding grade; does not contain any anti-hydrolysis agent; Application; Blown films

General Information			
Uses	Blown Film		
	Film		
RoHS Compliance	RoHS Compliant		
Processing Method	Blown Film		
	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.20	g/cm ³	ISO 1183

Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 23°C	86		
Shore D, 23°C	33		

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹			DIN 53504
Break, 23°C	47.6	MPa	
10% Strain, 23°C	2.50	MPa	
50% Strain, 23°C	5.30	MPa	
100% Strain, 23°C	6.70	MPa	
300% Strain, 23°C	22.4	MPa	
Tensile Strain ² (Break, 23°C)	480	%	DIN 53504
Abrasion Resistance	30.0	mm ³	ISO 4649-A
Tensile Storage Modulus			ISO 6721-1,-4
-20°C	41.0	MPa	
20°C	12.0	MPa	
60°C	7.70	MPa	
Impact Resilience (23°C)	40	%	ISO 4662

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³ (23°C)	70	kN/m	ISO 34-1

Injection	Nominal Value	Unit
Drying Temperature	< 80.0	°C
Processing (Melt) Temp	210 to 230	°C

Mold Temperature	20.0 to 40.0	°C
Extrusion	Nominal Value	Unit
Drying Temperature	< 80.0	°C
Melt Temperature	195 to 215	°C
NOTE		
1.	200 mm/min	
2.	200 mm/min	
3.	500 mm/min	

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